7.0 INVESTIGATION-DERIVED WASTE

Investigation-Derived Waste (IDW) may be generated during the SS fieldwork in the following forms:

- Solid waste (trash) including spent personal protective equipment (PPE) and paper from sampling activities
- Water generated from decontamination of drilling and sampling equipment
- Soil generated from drilling and soil sampling.

Anticipated quantities, handling, and disposal of these wastes are discussed below.

7.1 Management of Solid Waste

Four to six drums of trash and PPE will be generated during the sampling activities. Due to limited contact with COPCs, this waste is assumed to be non-hazardous and disposal will be coordinated with the local landfill.

7.2 Decontamination Water

One to two drums of decontamination water will be generated per day of field activities (10 to 20 drums total). This water will be generated through steam cleaning of drilling equipment and washing of sampling equipment according to decontamination procedures (SOP 11, Appendix A). Decon water will be temporarily stored in drums. Each drum will be labeled according the site(s) where it was generated.

Once soil analytical results are received, water will be discharged to the surface from sites where soil analytical results are below detection limits. Water generated from sites where contamination was identified will be sampled at the rate of one composite sample per site and tested for the same chemicals reported in the associated soil samples. Based on analytical results of the composite water sample, water disposal will be coordinated with the Wendover Wastewater Treatment Plant to discharge either to the sewer for concentrations below treatment plant discharge limits, or to the wastewater treatment plant drying beds for concentration above discharge limits.

7.3 Soil Cuttings

Soil cuttings generated during drilling and sampling will be placed in drums and labeled according to the boring and site. It is anticipated that soil borings will be drilled by direct push methods. Direct push borings generate minimal soil cuttings. Hollow-stem auger drilling may be required under special circumstances of soil conditions and will generate approximately one drum per 15-foot soil boring, which contains approximately 1 yard (depending on soil type). Based on total drilling anticipated, approximately 10-15 drums of soil could be generated during the SC.

Drums will be labeled according to soil boring and stored at a central staging area pending results of chemical analysis. Soil samples will be collected from the drummed soil IDW. One composite soil sample will be collected to profile the soil for disposal. Any soil IDW segregated due to elevated volatile organic concentrations will be sampled separately because this contaminant may require acceptance into a different disposal facility than the other soil IDW.

Soil cuttings from sites where all soil samples were reported below detection limits will be used for clean cover. Cuttings from contaminated soil borings will be segregated according to concentrations of contaminants and disposed off-site at appropriate facilities. Depending on the contaminate and the concentration of the contaminants, some drums may require additional chemical characterization for waste profiling, as required by the disposal facility.